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(71) Applicant (for all designated States except US): **LG CHEM, LTD.** [KR/KR]; LG Twin Tower, 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEE, Sang-Hyun** [KR/KR]; 402, Park Vill, 338-15 Jeonmin-dong, Yuseong-gu, Daejeon 305-810 (KR). **KIM, Hyuk-Nyun** [KR/KR]; 207-1001 Expo Apartment, Jeonmin-dong, Yuseong-gu, Daejeon 305-761 (KR). **MOON, Go-Young** [KR/KR]; 101-301 Hansol Apartment, Songgang-dong,

Yuseong-gu, Daejeon 305-758 (KR). **CHUNG, Ha-Chull** [KR/KR]; 116-301 LG-SK Apartment, Cheongsu-dong, Cheonan-si, Chungcheongnam-do 330-190 (KR). **PARK, Kyoung-II** [KR/KR]; 602-509 Rose Apartment, 273, Hagye-dong, Nowon-gu, Seoul 139-873 (KR). **SONG, Seong-Min** [KR/KR]; 303, 3rd Floor, 365-98 Deungchon2-dong, Gangseo-gu, Seoul 157-836 (KR).

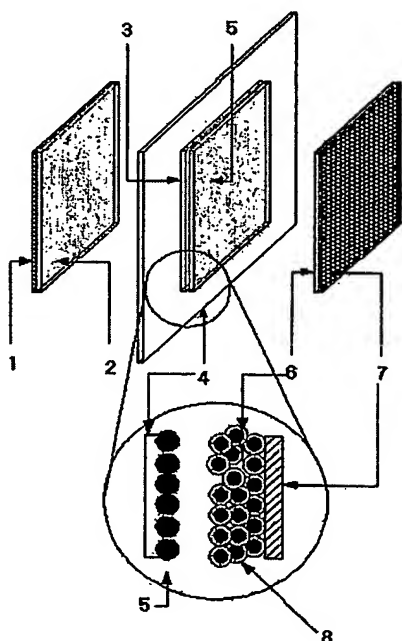
(74) Agent: **KIM, Seong-Ki**; 14F., Kukdong Building, 60-1 Chungmuro3-ka, Chung-ku, Seoul 100-705 (KR).

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(54) Title: **HYBRID MEMBRANE-ELECTRODE ASSEMBLY WITH MINIMAL INTERFACIAL RESISTANCE AND PREPARATION METHOD THEREOF**



(57) Abstract: The present invention provides a membrane-electrode assembly comprising: electrodes consisting of an anode comprising a gas diffusion layer and a catalyst material-containing active layer, and a cathode comprising a diffusion layer and a catalyst material-containing active layer; and an electrolyte membrane interposed between the anode and the cathode and comprising a catalyst material-containing active layer at one or both sides, the electrodes being hot-pressed, to the electrolyte membrane, wherein in coating the active layer on the gas diffusion layer, the viscosity of the active layer is in a range of 100 to 10,000 cPs, as well as a production method thereof. The inventive membrane-electrode assembly has a low interfacial resistance between the membrane and the electrodes, as well as high catalyst availability and excellent power density, and can be mass-produced.



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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